

Initial Deliverability
Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool BASIN DAKOTA Formation DAKOTA County Jim
Purchasing Pipeline EPNOC Date Test Filed _____
Operator TENNECO Lease CORNER DAK GLD Well No. 1
Unit 0 Sec. 12 Twp. 29N Rge. 12W Pay Zone: From 6274 To 6375
Casing: OD 4 1/2 WT. _____ Set At 6493 Tubing: OD 2 3/8 WT. _____ T. Perf. 6237
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .682 Estimated _____
Date of Flow Test: From 6/18/63 To 6/26/63 * Date S.I.P. Measured 6/18/62
Meter Run Size 4 Orifice Size 2.000 Type Chart SR Type Taps FLANGE

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____)² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (6.75)² x sp. const. 10 = 426 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 456 psia (h)
P_t = (h) + (f) _____ = 456 psia (i)
Wellhead casing shut-in pressure (Dwt) 2022 psig + 12 = 2034 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2022 psig + 12 = 2034 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2034 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1017 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 2409 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \cdot (.8181) \cdot 9602 = \text{_____ MCF/da.}$
3,102,867
3,792,763

SUMMARY

P_c = 2034 psia
Q = 2409 Mcf/day
P_w = 587 psia
P_d = 1017 psia
D = 2072 Mcf/day

Company Geolretale Inc.
By B. H. Reyes
Title AGENT
Witnessed by [Signature]
Company Tenneco Oil Company



- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
4254	.266	512,996	136,457	207,936	344,393	587